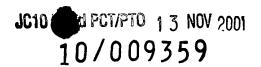
<u>JC10 Rec'd PCT/PTO | 1 3 NOV 2001</u> COMMERCE PATENT AND TRADEMARK OFFICE DRM PTO-1390 (Modified) U.S. DEPARTM b02U2 TRANSMITTAL LETTE: TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) U.S. APPLICATION NO. (IF KNOWN, SEE 37 CFR CONCERNING A FILING UNDER 35 U.S.C. 371 INTERNATIONAL APPLICATION NO. INTERNATIONAL FILING DATE PRIORITY DA PCT/US00/12953 ~ 12 MAY 2000 13 MAY 1999 **FITLE OF INVENTION** PRODUCTION OF HUMAN CELLS, TISSUES, AND ORGANS IN ANIMALS APPLICANT(S) FOR DO/EO/US TOWNES et al. Time Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information: This is a FIRST submission of items concerning a filing under 35 U.S.C. 371. This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371. 2. 3. \boxtimes This is an express request to begin national examination procedures (35 U.S.C. 371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b) and PCT Articles 22 and 39(1). \boxtimes A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date. 4. \boxtimes A copy of the International Application as filed (35 U.S.C. 371 (c) (2)) 5. is transmitted herewith (required only if not transmitted by the International Bureau). a. 🗀 b. 🗆 has been transmitted by the International Bureau. is not required, as the application was filed in the United States Receiving Office (RO/US). A translation of the International Application into English (35 U.S.C. 371(c)(2)). 6. A copy of the International Search Report (PCT/ISA/210). 18 Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3)) are transmitted herewith (required only if not transmitted by the International Bureau). have been transmitted by the International Bureau. have not been made; however, the time limit for making such amendments has NOT expired. have not been made and will not be made. A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). 0. An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)). A copy of the International Preliminary Examination Report (PCT/IPEA/409). 12. A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)). Items 13 to 20 below concern document(s) or information included: 13. An Information Disclosure Statement under 37 CFR 1.97 and 1.98. 14. An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 15. \boxtimes A FIRST preliminary amendment. A SECOND or SUBSEQUENT preliminary amendment. 16. 17. A substitute specification. 18 A change of power of attorney and/or address letter. Express Mail No. EL924206202US dated \boxtimes 19. Certificate of Mailing by Express Mail November 13, 2001 20. X Other items or information: Return Postcard

EL924206202US

ʊ.s. APPLICATION	PLICATION, NO. (IF KNOWN, SEE TR INTERNATIONAL APPLICATION NO.						DOCKET NUMBER		
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	llowing fees are subr						CALCULATIONS	S PTO USE ONLY	
BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)): Neither international preliminary examination fee (37 CFR 1.482) nor									
international search fee (37 CFR 1.445(a)(2) paid to USPTO and International Search Report not prepared by the EPO or JPO									
☐ International preliminary examination fee (37 CFR 1.482) not paid to USPTO but Internation Search Report prepared by the EPO or JPO									
☐ International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO									
International preliminary examination fee paid to USPTO (37 CFR 1.482) but all claims did not satisfy provisions of PCT Article 33(1)-(4)									
☐ International preliminary examination fee paid to USPTO (37 CFR 1.482) and all claims satisfied provisions of PCT Article 33(1)-(4)									
ENTER APPROPRIATE BASIC FEE AMOUNT =							\$710.00		
Surcharge of \$130.00 for furnishing the oath or declaration later than months from the earliest claimed priority date (37 CFR 1.492 (e)).							\$130.00		
CLAIMS NUMBER FILED		FILED	NUMBER EXTRA	ER EXTRA RATE					
Total claims	19	- 20 =	0		x \$18.0	0	\$0.00		
Independent claims	4	- 3 =	1		x \$84.0	0	\$84.00		
Multiple Dependent Claims (check if applicable).							\$0.00		
-1			ABOVE CALCUL			=	\$924.00		
Reduction of 1/2 for filing by small entity, if applicable. Verified Small Entity Statement sust also be filed (Note 37 CFR 1.9, 1.27, 1.28) (check if applicable).							\$462.00		
			St	UB7	TOTAL	=	\$462.00		
Processing fee of \$130.00 for furnishing the English translation later than							\$ 0.00		
TOTAL NATIONAL FEE =							\$462.00		
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31) (check if applicable).							\$0.00		
TOTAL FEES ENCLOSED =							\$462.00		
	· · · · · · · · ·						Amount to be: refunded	\$	
							charged	\$	
A check in the amount of \$462.00 to cover the above fees is enclosed.									
☐ Please cha	Please charge my Deposit Account No. in the amount of to cover the above fees.								
A duplicate copy of this sheet is enclosed.									
The Commissioner is hereby authorized to charge any fees which may be required, or credit any overpayment									
to Deposit Account No. 14-0629 A duplicate copy of this sheet is enclosed.									
NOTE: Where an 1.137(a) or (b)) m	n appropriate time l ust be filed and grai	imit under 3 nted to resto	7 CFR 1.494 or 1.495 has re the application to pend	not l	oeen met, a tatus.	petiti	on to revive (37 CF	R	
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David G. Perryman, Esq. NEEDLE & ROSENBERG, P.C.					SIGNATURE				
100 D 14 C4 1 N D						David G. Perryman			
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					13 NOVEMBER 2001				
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CERTIFICATE OF EXPRESS MAILING

I hereby certify that the U.S. National Phase Application in the name of Townes, et al. consisting of: Transmittal Letter to the United States Designated/Elected Office (DO/EO/US) Concerning a Filing Under 35 U.S.C. 371 PTO Form 1390 (2 Pages); a copy of the International Search Report; a copy of the International Preliminary Examination Report; the Preliminary Amendment (5 Pages); a Check in the amount of \$462.00 to cover filing fees; and a return postcard for "PRODUCTION OF HUMAN CELLS, TISSUES, AND ORGANS IN ANIMALS" are being deposited with the United States Postal Service as Express Mailing No. EL924206202US in an envelope addressed to: Commissioner for Patents, Box PCT (IPEA/US), Washington, D.C. 20231, on this 13th day of NOVEMBER 2001.

ERICK CALDERON

11/13/01